



infralink

Digital Scotland

25 October 2022

SCOTTISH
FUTURES
TRUST



Agenda and Attendees



Agenda

- Programme Background
- Data Management
- Platform demonstration
- Local Authority Experience

Speakers

- Sarah Eynon, Scottish Futures Trust
- Will Hensman, Improvement Service
- Daniel Campion, Sitenna
- Graham Pinfield, Perth & Kinross Council

The Vision



The Deliverables



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Best Practice

Engagement



Standard Documents



Payment Guidance



Connectivity Marketplace

4G, 5G and IoT

Rural and Urban

Land, Buildings, and Street Furniture

Digital Connectivity Infrastructure Accelerator



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E X C H A N G E

DCMS Mission

“..to support the implementation of digital asset management solutions for mapping and brokerage of publicly owned assets for use in the rollout of wireless communication networks.”



Department
for Culture
Media & Sport

Outcomes

- Create more job opportunities in the area based on improved connectivity infrastructure
- Increase productivity in a variety of sectors that rely on connectivity and capacity in mobile networks
- Support the ‘levelling up’ agenda to ensure that everyone across the community has access to good reliable connectivity thereby reducing inequality
- Support ambitions to be net-zero and sustainability by allowing the mobile industry to upgrade their network thereby reducing energy consumption and reusing assets
- Drive innovation in the support of SMEs to engage with their market and suppliers in new ways

Collaboration Group



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EXCHANGE

Project Management, Governance and Delivery – Scottish Futures Trust

Data
Owners

Angus
Council

Perth & Kinross
Council

Dundee
City Council

Fife Council

Data
Management

Connected
Places Catapult

Improvement
Service

Platform
Development

Sitenna

Industry
Insight

EE/BT

3UK

Freshwave

Vodafone

MBNL

CTIL

Benefits

FarrPoint

PR and
Dissemination

Local
Government
Digital Office

Scotland 5G
Centre



The Spatial Hub

A National Approach to Data Collection & Publication

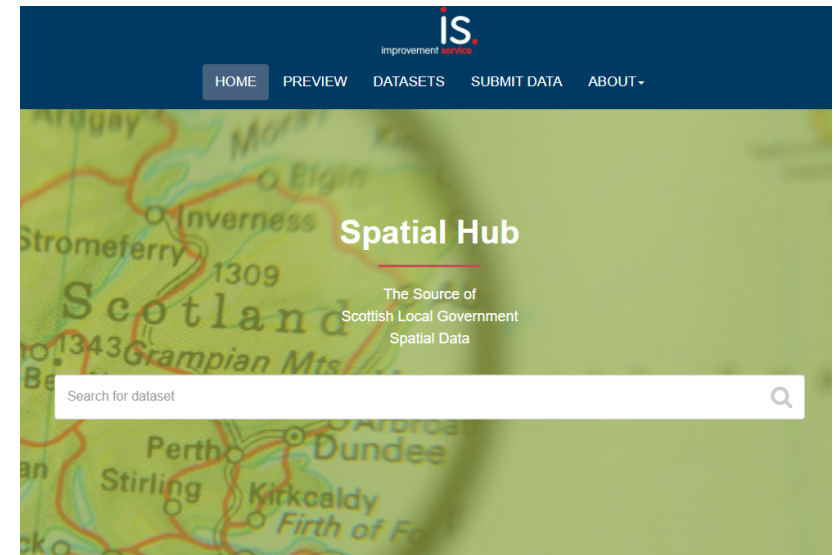
Will Hensman

will.hensman@improvementservice.org.uk

07855 837278

What is the Spatial Hub?

- A **website** for local authorities to upload their (mainly geospatial) data
- A **process of collection**, amalgamation and standardisation of data
- A **reporting tool** for highlighting data quality issues
- A **single point of access** to view and download national layers of quality assured local authority data

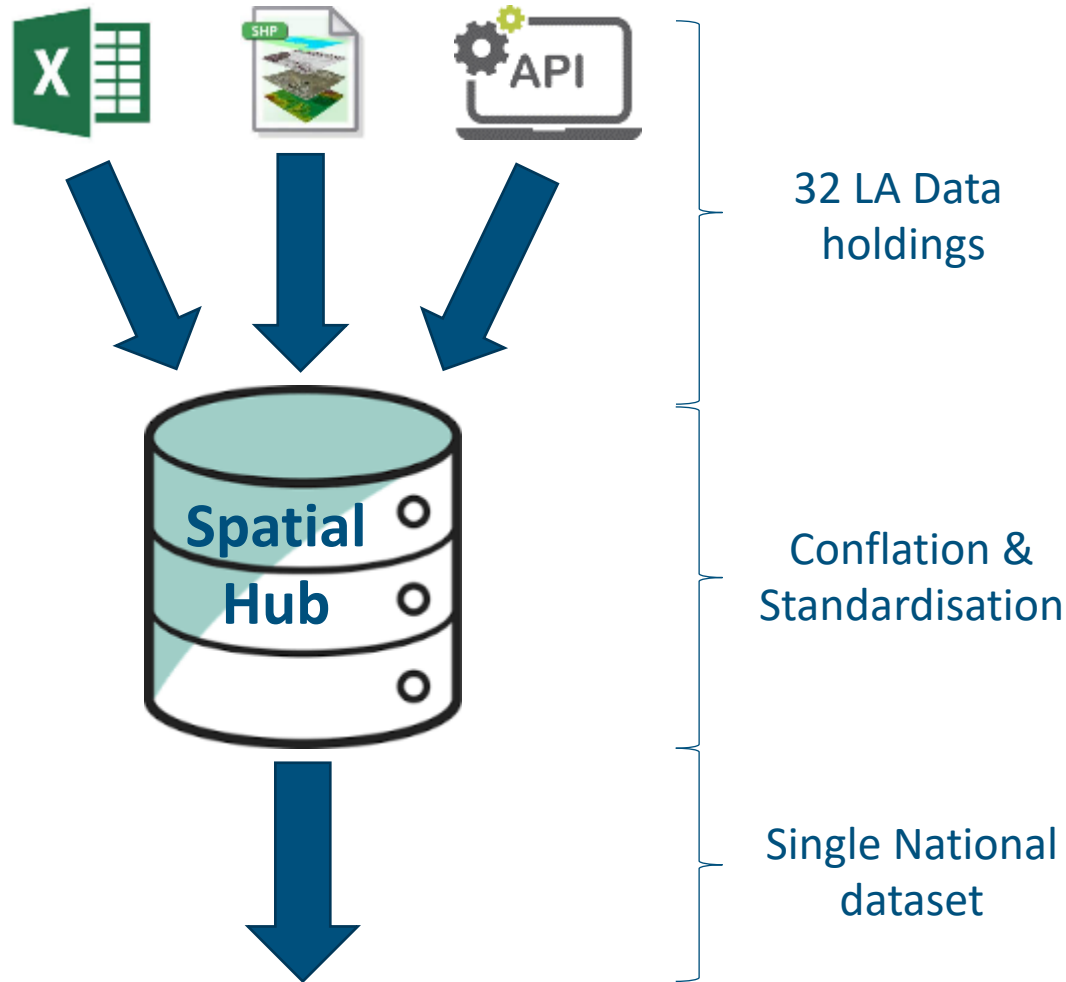


Why is it needed?

- All local authorities produce the virtually the same data but in different ways -
There are often **no agreed standards**.
- The Spatial Hub negates the need for local authorities to produce their own portals to publish their data
- National agencies often need a **Scottish-wide view of data**. LAs don't provide this
- **Data has value**. It needs to be treated like an asset
 - Limited investment by local authorities in managing and maintaining data
 - A sustainable business model with a return on investment



How it works



- LAs provide the data, or a link to the data via the Spatial Hub website
- Using open-source technologies, the data is conflated, and a common, standard schema is identified
- The data is published as a single, national layer for access and download
- Quality assurance reports are produced where missing/incorrect data is identified

What is the result?

QGIS Tay Cities CAR:: Features Total: 3851, Filtered: 3851, Selected: 0

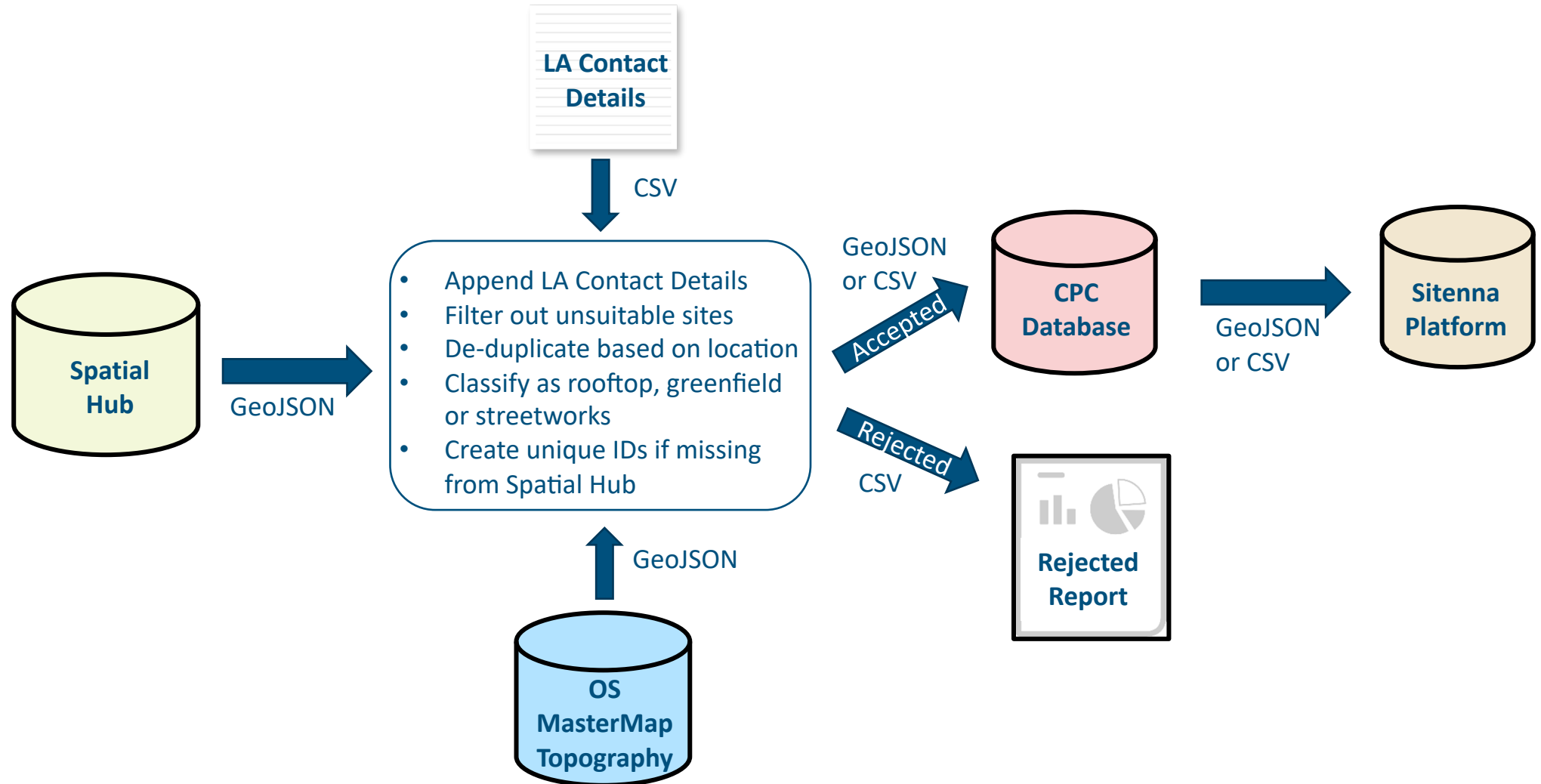
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2	S12000047	Fife	NULL	NULL	THE BOGS' PARK	Park/playing Fi...	CL06 - Indoor a...	Operational Use	Leasehold
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5	S12000048	Perth and Kinross	6110	124060045	0.239 AC INDUS...	Commercial La...	CI04 - Warehou...	Owned	NULL
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Show All Features



- Over 40 datasets published in a standardised format
- Data in a single, standard schema
- Data which is findable via the Spatial Data Catalogue (SSDI)
- Data which is available to all public sector bodies via the PSGA
- Using the UPRN, data which is linkable to other datasets

The Infralink-Exchange Data Pipeline



The Output

- A Tay Cities Pilot with over 140,000 local authority-owned assets covering Council Asset Registers and Street Lighting Columns
- Planning Designations layers to assist MNOs better identify sites, reduce the pre-site investigation risk and help with the Planning process
- A scalable, repeatable process for all 32 LAs
- A practical example of how the data local authorities produce can generate impact beyond the original internal use case
- The data can be used for additional use cases, not just Infralink-Exchange e.g.
 - Broadband voucher provision
 - IoT infrastructure deployment
 - EV charging site planning



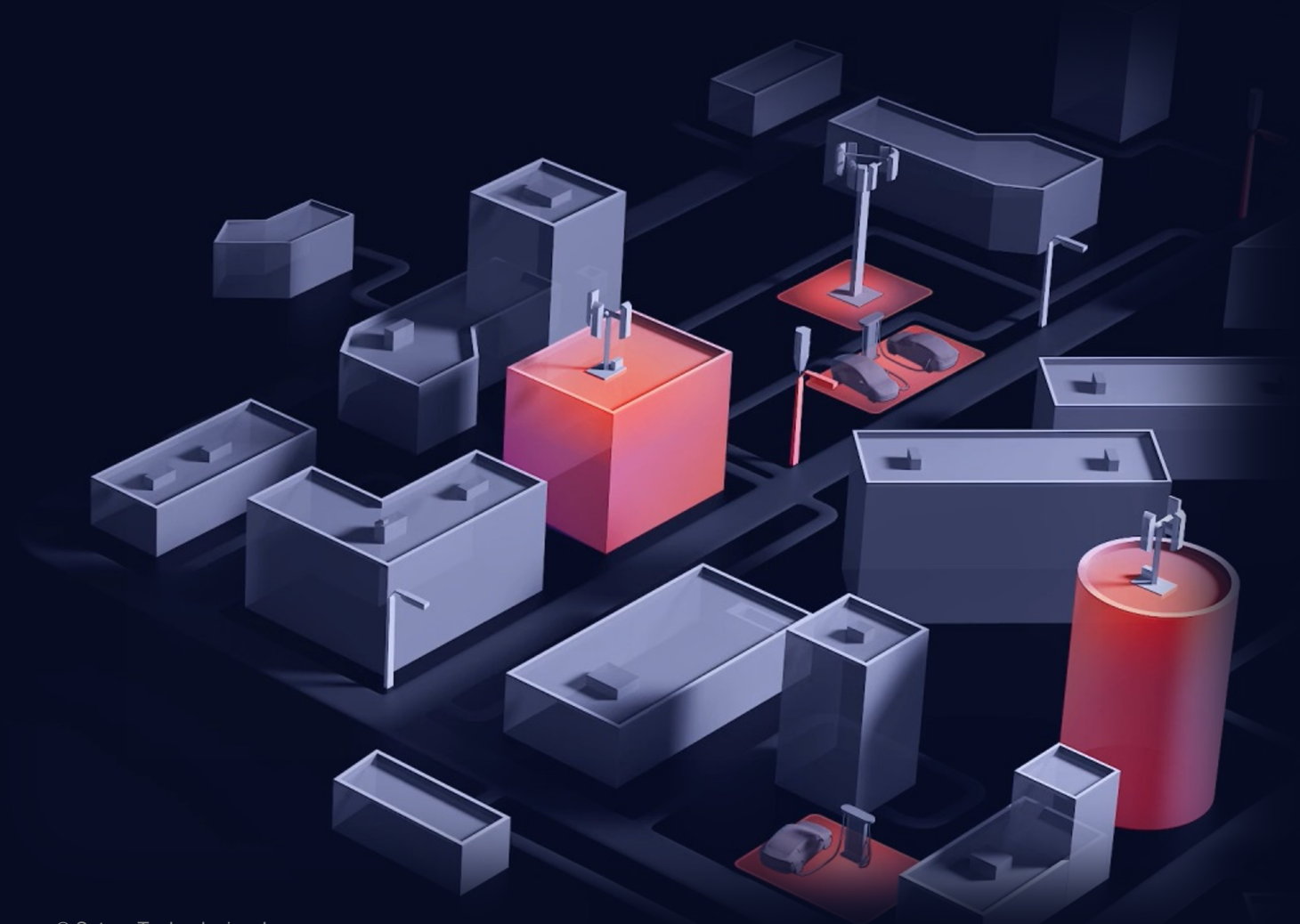


Build smart. Manage smarter.

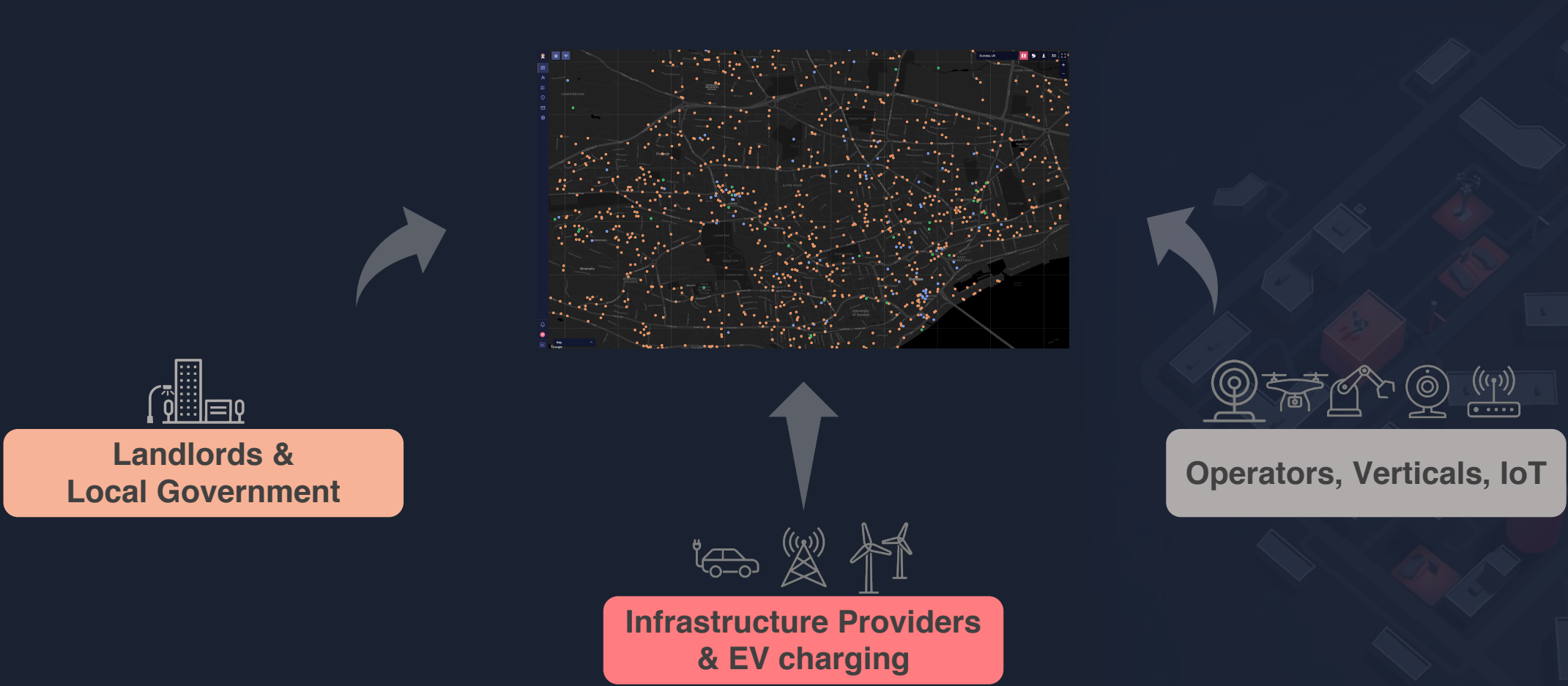
Sitenna builds software that helps the rollout and management of **modern infrastructure**

Digital Scotland

25 October 2022



Sitenna is a digital platform empowering site acquisition and management for modern infrastructure



Local Governments can leverage their assets to promote inward investment into the critical, modern infrastructure of tomorrow



Increase inward investment and **future-proof communities**

This need not be a daunting task for Local Government

① Work with partners

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is.
improvement service

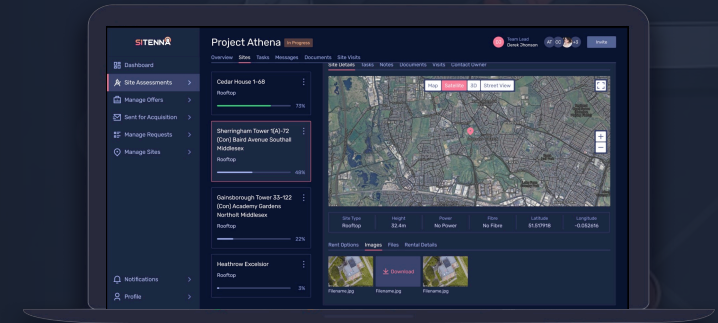
CATAPULT
Connected Places

SITENNA

② Prepare your data and processes

- ✓ Asset data
- ✓ Agreements
- ✓ Rate card
- ✓ Processes

③ Leverage technology



Leverage digital technologies to manage at scale, such as SITENNA

SITENNA

Sitenna helps Local Governments bring their public assets to life with Modern Infrastructure



Map

- ✓ Street furniture
- ✓ Buildings
- ✓ Land



Market

- ✓ Mobile telecoms
- ✓ Smart Cities & IoT
- ✓ EV Charging



Monetise

- ✓ Negotiate
- ✓ Communicate
- ✓ Contract
- ✓ Payment



Manage

- ✓ Site access
- ✓ Reconcile payment
- ✓ Upgrades
- ✓ Direct comms

Sitenna is leveraging its experience supporting Local Government across the UK to bring Digital Infrastructure to its communities



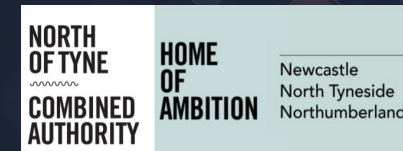
West Midlands Combined Authority, Warwickshire County Council, Birmingham City Council, Coventry City Council, Dudley Council, Sandwell Council, Solihull Council, Walsall, Wolverhampton



West of England Combined Authority, Bath and North East Somerset Council, Bristol City Council, North Somerset Council, South Gloucestershire Council



Angus Council, Dundee City Council, Fife Council, Perth and Kinross Council.



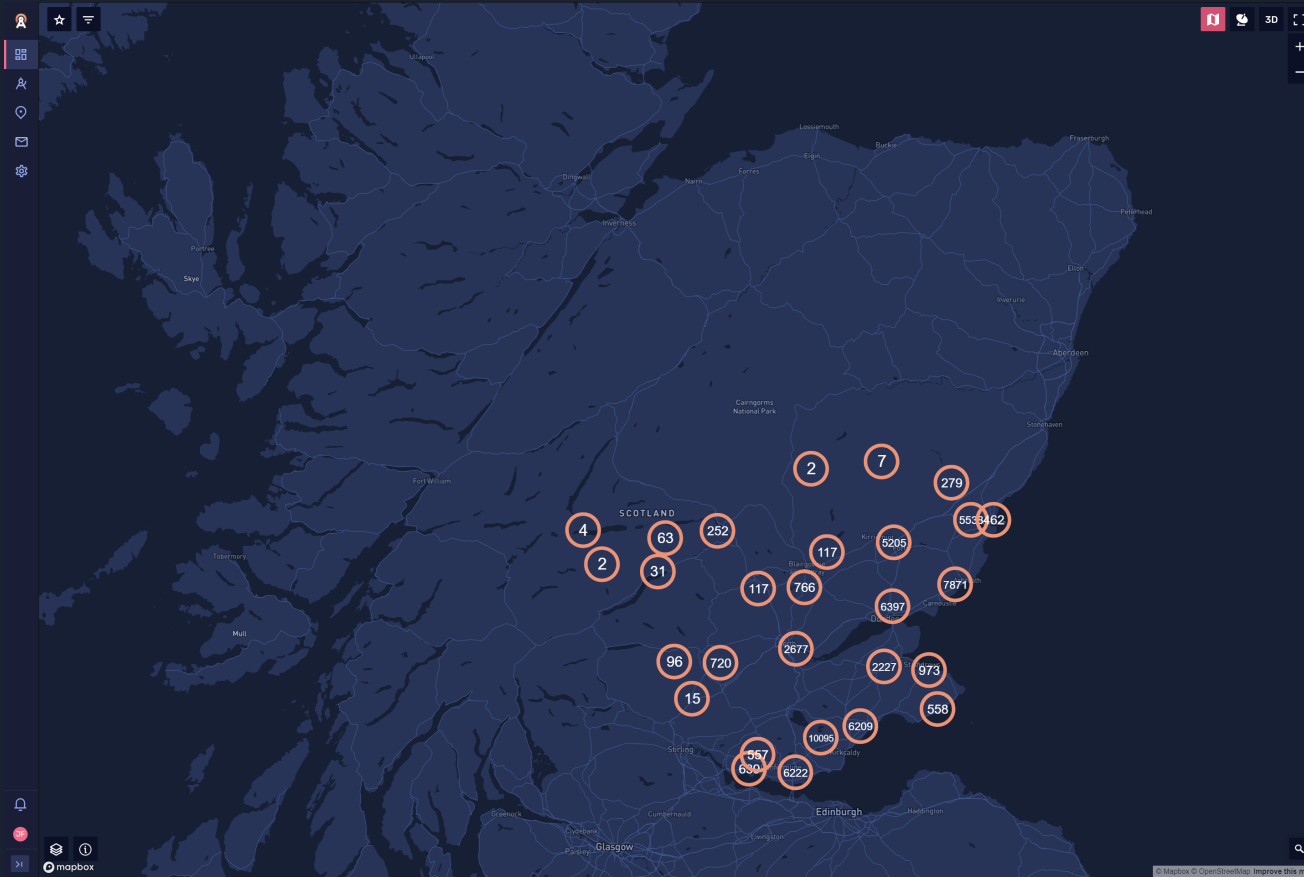
North of Tyne Combined Authority, Northumberland County Council, North Tyneside Borough Council, Newcastle City Council, South Tyneside Council, Sunderland City Council



Sitenna hosts hundreds of thousands of public assets across the UK



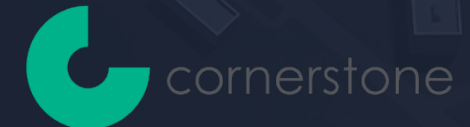
Working with Tay Cities to bring 140,000 assets to the market for Digital Infrastructure



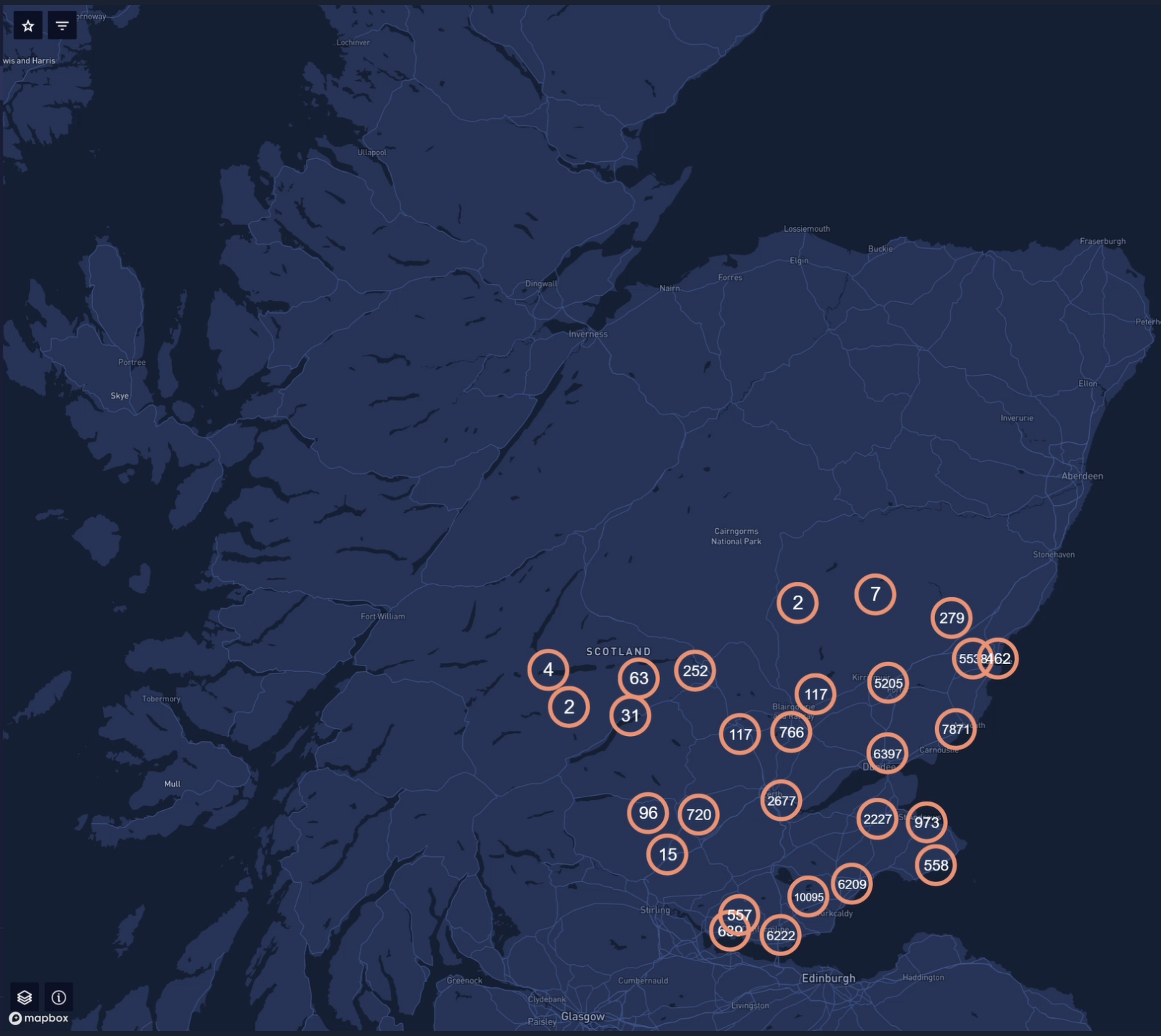
Local Government



Telecom Infrastructure



- Dashboard
- Site Assessments >
- Sites >
- Inbox
- Admin



- Notifications
- Jacob Fleming >

We unlock value for everyone!



Reduce costs
across the board



Deliver sites
x8 faster



Manage more
efficiently, at scale



Thank you for your time!

**For further information, please contact:
localgovernment@sitenna.com**





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E X C H A N G E



Graham Pinfield
Perth and Kinross Council





The LA view - Internal roles and processes

- Senior Responsible Owner (Chief Operating Officer)
- Corporate Asset Management Group
- Single Point of Contact (within Planning and Development)
- New Telecommunications Policy Statement
- Digital Champion and Digital Lead

Local Authority Stakeholder Internal mapping

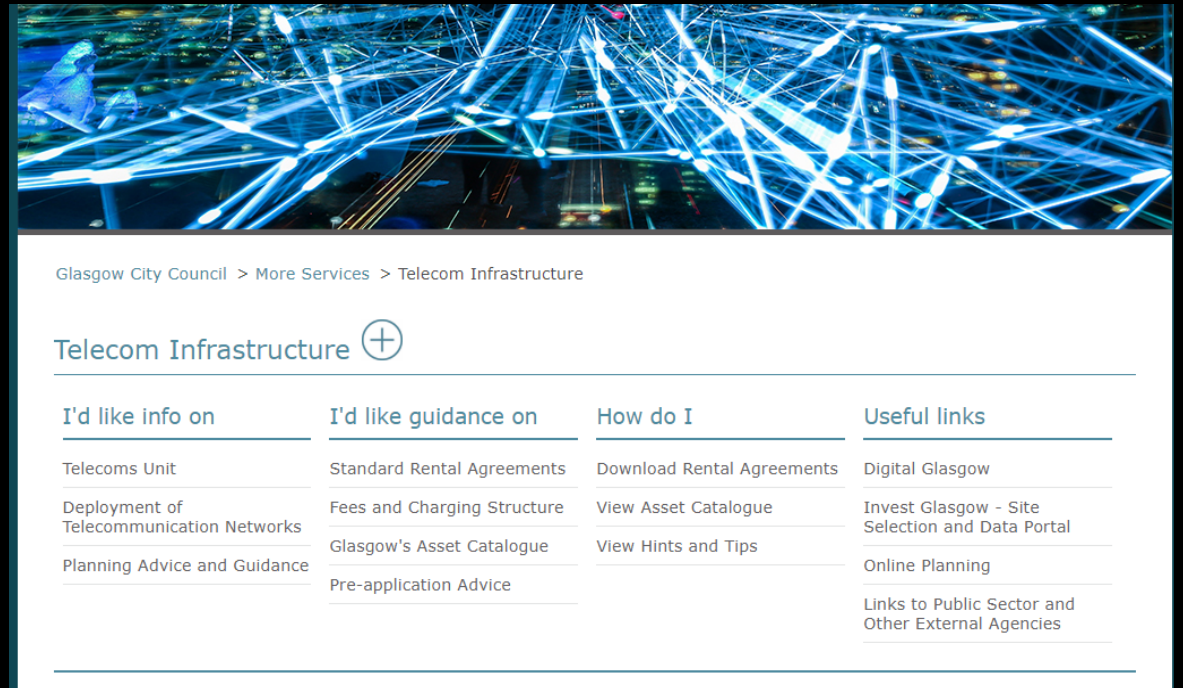
Stakeholder Group	Motivations for Engagement
Estates	First point of contact for Council land to determine department ownership.
Data Owners	Identify different data owners for assets
Transportation Roads	If road is adopted the request goes to Transportation. Rely on the Scottish Roadworks Register. Local co-ordination team that meet every 3 months.
Roads & Lighting Asset Management	Contact for lighting apparatus and a contact for non-lit street furniture.
Legal	To agree / sign off on processes / contracts.
Finance	Consult on new payment process i.e. using platform to process payments. Revenue Implications.
Development Management (Planning)	Engage and consult

Single Point of Contact (SPoC)

SPoC or Telecoms Unit creates the shared agenda to deliver results of improved digital services in the area and improve efficiencies.

Perth and Kinross Council

“I think it’s always difficult to change ways of doing things but when we have got various stakeholders around the table and explained to them the new ways of doing things and why we are doing it they have all come on board”.





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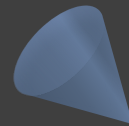
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Opportunities

- Better mobile networks especially in rural areas
- Provides a platform for 5G network development
- Better delivery of service especially health and social care
- Local Economic Growth via more investment in the area.
- Multi use of assets via leasing of building and street furniture for small cells



Perth City Hall Museum



Sample Footer Text

Blairgowrie High School to Collace Quarry

- Wireless link from roof
- Infralink template lease
- Willing parties – Tayside Contracts; Perth & Kinross Council (IT and Property); Rapier Systems Ltd

Standard Lease Urban - Building

Please note that the guidance set out in this document is provided for information only and does not constitute advice by Scottish Futures Trust to any public authority or other person. In addition, this document is not intended to provide an exhaustive statement of the matters that will require consideration by public authorities in connection with granting rights to use land or buildings by mobile operators. Scottish Futures Trust does not take any responsibility for any decisions made by a public authority or any other person based upon the contents of this document. It will be important that the organisation obtains specific professional advice in relation to any proposed transaction.

February 2021

LoS



Blairgowrie High School to Collace Quarry



Sitenna Platform – Blairgowrie High School

BLAIRGOWRIE HIGH SCHOOL

Address: NA
Assigned To: GP Graham Pinfield

Site Type	Sub Type	Height	Power	Fibre	Latitude	Longitude
Rooftop	New Build	No Height	No	No	56.58453	-3.34247

Photos (1)

Rate Card | Additional Info | Documents | Offers | Visit Requests | Inbox | History | Invoice

Rental Price (annual)	£NA
Minimum Duration	No
Payment Structure	NA
Reservation Price	£NA
Reservation Length	NA

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Raining now | 13:18 | 20/10/2022

Infralink Tools

- The Infralink approach guides the user through the process for siting and operating mobile network equipment so that this becomes easier and faster - ensuring Scotland has the best digital connectivity for its diverse communities.

Standard Documents

Leases

Wayleaves

Framework Agreements

Payment Guidance

Connectivity Marketplace

Useful Links

Standard Documents

The standard documents are a starting point for discussions that take into account landlord and tenant considerations depending where the asset is located.



Benefits of Infralink Exchange

- Creates consistency across the region – level playing field for investment opportunities.
- Systematic approach – not relying on existing relationships or processes to drive projects.
- Processes are streamlined and become more efficient and Sitenna Platform is shop front.
- Open lines of communication with suppliers
- Become easier to do business with telecoms, encourages further investment.

Conclusion

- Income vs connectivity. Connectivity is more important
- Delivering better mobile network connectivity, Encouraging different departments to collaborate and enable.
- Provided momentum to change processes and deliver within a set timescale.
- Better supplier experience and aligned LA processes to become less time consuming and lengthy.





Graham Pinfield
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Take Aways



- Platform live with over 140,000 local authority assets shown for potential use to site mobile infrastructure (4G/5G macro and 5G small cell)
- Infralink Playbook will be published in November 2022 to share best practice with other organisations
- Case studies are really starting to show the difference a more engaged, proactive approach can make to mobile connectivity.

For more information, please engage with our speakers:

- Sarah Eynon, Scottish Futures Trust
- Will Hensman, Improvement Service
- Daniel Champion, Sitenna
- Graham Pinfield, Perth & Kinross Council